# Mongoose

## SIGNAL STRENGTH METER

**The Mongoose is a lightweight, hand held receiver that's ideal for quick indoor sweeps by propagators.**


### FEATURES:

- Internal memory stores signal strength
- Scans up to 21 channels
- Displays best 3 channels simultaneously
- Data can be output to a PC with a serial cable
- Audio can be heard through the headphones or internal speaker
- Includes rechargeable Ni-Cad battery/charger
- Weighs under 5 pounds

### Frequencies Available:

- PCS
- CELLULAR
- FIXED WIRELESS
- PAGING
- LMR
- IVDS
- SMR

The Mongoose is just one of many exceptional design solutions from Berkeley Varitronics. Call us today for more information:

(732) 548-3737 / Fax: (732) 548-3404
Internet: www.bvsystems.com
E-mail: info@bvsystems.com

**BERKELEY VARITRONICS SYSTEMS**

# *Mongoose* SIGNAL STRENGTH METER

## SPECIFICATIONS

| | | |
|---|---|---|
| **DISPLAY** | 128 x 128 LED backlit display | |
| **TUNING RANGE** | 20-40 MHz tuning range of band | |
| **AUDIO** | Via internal speaker or headphones | |
| **BANDS SUPPORTED** | ISM: | 2.400-2.485 GHz |
| | | 900-930 MHz |
| | PCS: | Uplink (Blocks A through F) 1850-1910 MHz |
| | | Downlink (Blocks A through F) 1930-1995 MHz |
| | LMR: | 805-825 MHz |
| | IDEN/SMR: | 850-870 MHZ |
| | Cellular: | 824-848 MHz |
| | | 868-896 MHz |
| | ETACS: | 872-905 MHz |
| | | 915-950 MHz |
| | Paging: | 145-165 MHz |
| | | 450-465 MHz |
| | | 928-941 MHz |
| | IVDS: | 218-219 MHz |
| | WCS: | 2.30-2.36 GHz |
| **SENSITIVITY** | -115 to -35 dB ±1.5dB (10 kHz IF bandwidth, for 12 dB SINAD) | |
| **ADJ. CHAN. REJECTION** | > 50 dB @ 30 kHz bandwidth | |
| **MEASUREMENT ACCURACY** | ±1.5 dB | |
| **MEASUREMENT SPEED** | Adjustable | |
| **CHANNEL SCAN RATE** | 20 channels/second (typical) | |

**GENERAL SPECIFICATIONS**

| | |
|---|---|
| Dual Conversion: | 83 MHz first IF, 455 kHz second IF |
| IF Bandwidth: | 12.5 kHz (standard) |
| Stability: | ±2.5 PPM from freezing to 120°F |
| Phase Noise: | > 80 dBc @ 1 kHz offset |
| Antenna: | TNC 50 Ω whip straight |
| Warmup Time: | < 1 minute |
| Power: | 12 Volt battery |
| Weight: | < 5 pounds |
| Dimensions: | 11.25" x 4" x 3.6" including battery |

**INCLUDES**

| | |
|---|---|
| Antenna: | Right angle TNC 50 Ω whip antenna |
| Case: | Yellow ABS plastic case |
| Battery: | Rechargeable Ni-Cad battery/charger |

**OPTIONS**

| | |
|---|---|
| IF Bandwidth: | 4kHz, 10 kHz, 25 kHz, 30 kHz |


Other custom frequencies are available upon request.

Berkeley Varitronics Systems, Liberty Corporate Park, 255 Liberty Street, Metuchen, NJ 08840
Phone: 732-548-3737 • Fax: 732-548-3404 • Internet: http://www.bvsystems.com • E-mail: info@bvsystems.com

082598MG